

CLAIMS:

1. An actuator for moving a lens system having an optical axis, which actuator comprises a stationary section, a movable section provided with the lens system, and an electric driving means for driving the movable section, wherein the movable section is suspended from the stationary section by two suspension sets of at least three elongate members of which respective end portions are secured to the stationary section and other end portions are secured to the movable section by means of mechanical connections, one of the sets extending at a side of the optical axis and the other set extending at another, opposite side of the optical axis, wherein the mechanical connections needed for securing at least two elongate members of each set are rigid connections, while at least one of the mechanical connections needed for securing each other elongate member of each set is a flexible connection.
2. An actuator as claimed in Claim 1, wherein the number of elongate members of each set is three, each member being electrically conducting, and wherein only one of the elongate members of each set is secured by means of a flexible connection.
3. An actuator as claimed in Claim 1 or 2, wherein the flexible connections are provided on the movable section.
- 20 4. An actuator as claimed in Claim 1, wherein each flexible connection comprises a resilient element.
5. An optical device for scanning an optical record carrier, provided with an optical scanning unit and the actuator as claimed in any one of the preceding claims.